

24mil RPE Reinforced Polyethylene

DATA SHEET

Heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. For use in [geomembrane applications](#) such as soil remediation, [pond lining](#), [canal lining](#), [landfill covers](#), etc.

FABRIC SPECIFICATIONS

WEAVE	Woven black HDPE scrim
COATING	4.0 mil average each side (94 g/m ² each side)
COLOR	White/Black or other colored coatings available
WEIGHT	12.0 oz/yd ² (409 g/m ²) +/- 5%
THICKNESS	24 mils (0.61 mm) +/- 10% ASTM D5199

GRAB TENSILE	Warp 350 lb 1557N	Weft 340 lb 1511 N	ASTM D5034-95
TOUNGE TEAR	Warp 110 lb 489 N	Weft 110 lb 489N	ASTM D2261-96
TRAPEZOIDAL TEAR	Warp 90 lb 400 N	Weft 90 lb 400 N	ASTM D4533-04
MULLEN BURST	670 psi 4623 kPa		ASTM D3786-01
HYDROSTATIC RESISTANCE	424 psi 2927 kPa		ASTM D751-00
MOISTURE VAPOUR TRANSMISSION	0.47 g/m ² /24 hours (0.07 perms)		ASTM E96, pr. B
PERMEABILITY	<1.3 x 10 ⁻⁷ cm/sec		ASTM D4491
PUNCTURE RESISTANCE INDEX	205 lb 912 N		ASTM D4833-07
ACCELERATED UV WEATHERING ¹	>90% strength retention after 2000 hours exposure @0.77 W/m ² /nm or 1200 hours exposure @ 1.35 W/m ² /nm		ASTM G150-00 ASTM G154-04

¹Q.U.V [A-340 Lamps]: 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

These values are typical data and are not intended as limiting specifications.